D-R A F T Framework for the

Climate Mitigation and Adaptation Plan (Climate MAP)

Outline for Review By Task Force

I. Integration of City Policy and Plans into the Climate MAP

a. Communitywide Plan

i. Short-term (2010-2013)

1. Increase residential energy efficiency.
2. Review subdivision findings in the Land Development Code for site design and building orientation requirements to ensure that the design of subdivisions minimizes energy use.
3. Provide environmental review of the Climate MAP to develop and analyze mitigation measures to reduce Greenhouse Gas Emissions that can be implemented on a project-by-project basis.
4. Form a multi-disciplinary team to review the state-adopted California Green Building Standards, and participate in subsequent rule-making. Determine whether implementation of the state standards should be accelerated, or if mandatory standards should also be required for non-residential new construction. Additionally, review whether green building standards should be applied to the existing building stock upon major remodels. Evaluate costs and benefits of alternatives.
5. Identify a process for pursuing government funding and supportive legislation in the Energy Conservation and Management Program and Comprehensive Plan (ECMPCP); address and coordinate alternative and renewable energy source objectives and research.
6. Provide an opportunity for property owners to obtain financing for renewable-energy installations and energy-efficiency retrofits through the San Diego Clean Generation Program.
7. Using state protocols, develop local guidelines for determining the value of tree planting as mitigation for air

pollution emissions, control of storm water runoff and assistance with other environmental impacts as appropriate.

8. Actively participate in workshops, studies and conferences regarding climate change issues.
9. Consult with and include climate science experts in policy and program discussions regarding climate change issues.
10. Participate in future state and federal efforts to address climate change, fuel efficiency, the use of alternative fuels and efforts to reduce greenhouse gas emissions.
11. Continue to expand the recycled water distribution system per Phase II of the Recycled Water Master Plan Update 2005.Continue to connect additional infill recycled water users along the established distribution network.
12. Evaluate the opportunities to make more efficient use of gas from landfills and explore waste processing technologies that produce fuels.
13. Collaborate with SANDAG to improve incentive programs for the use of alternative transportation methods.
14. Implement the Energy Conservation and Management Program and Comprehensive Plan (ECMPCP) which includes an educational outreach strategy.
15. Continue to pursue external funding (i.e. grants) for providing renewable energy and improving energy efficiency.

ii. Mid-term (2014-2020)

1. Increase penetration of renewable energy and distributed generation systems.
2. Increase the usage and availability of public transportation.
3. Support the usage of alternative fuels and facilitate the development of electric charging stations.
4. Require all new residential development to be net-zero energy.
5. Collaborate with others to develop and consider methodology for calculating environmental impacts on a per capita basis (efficiency-based significance threshold).
6. Identify funding and stakeholders to investigate City operations related to fuel efficiency and develop and implement a fuel efficiency policy or ordinance to address reduced use of fossil fuels.
7. Develop new development standards to help reduce urban heat island effects.

8. Evaluate the need to update various departments' Environmental Management Systems.
9. Develop a program and funding source to maintain desired trees and plant additional trees.
10. Evaluate the adequacy of regulations to address power generation and design.

iii. Long-term (2020-2050)

1. Develop communities that are pedestrian orientated, compact, and utilize mixed development.
2. Increase resource conservation and environmental awareness by through a focused education campaign.
3. Require all existing and new commercial development to be net-zero energy.

II. Integration of City Policy and Plans into a Climate Change Adaptation Strategy

a. City Operations

i. Short-term (2010-2013)

1. Review all City policies to assure consistency with the Climate MAP.

ii. Mid-term (2014-2020)

1. Require all City landscape to use xeroscape or no potable water for irrigation.
2. Increase urban forestry to provide a buffer against increased temperatures.
3. Prepare adaptation plans for those buildings and assets that are in areas vulnerable to the effects of climate change.

iii. Long-term (2020-2050)

1. Consider project alternatives that avoid significant new development in areas that cannot be adequately protected (planning, permitting, development, and building) from flooding, wildfire, sea level rise and erosion due to climate change.
2. Develop wild fire risk and response plans that account for increased wildfire risk due to climate change.
3. Identify land use measures to ensure that wetlands migrate as sea level rises in some areas.

4. Increase energy efficiency and demand response measures to handle increased electricity demand during peak demand periods.

b. Communitywide Plan

i. Short-term (2010-2013)
   1. Support farmer's markets and local food consumption including community gardens.

ii. Mid-term (2014-2020)
   1. Reduce solid waste going to landfills through increased residential and commercial recycling and composting citywide.

iii. Long-term (2020-2050)
   1. Fully integrate all building systems into the Smart Grid to increase residential and commercial energy efficiency and demand response.
   2. Facilitate urban redevelopment projects to promote more efficient land use patterns that encourage active transportation, support transit and reduce GHGs.

III. Implementation Summary of Goals, Milestones, and Time Lines

a. Goals-
   i. Reduce GHG emissions to 1990 levels by 2020.
b. Milestones-
c. Time Line-

IV. References

a. Reference 2005 City Action Plan - http://www.sandiego.gov/environmental-services/sustainable/pdf/100401ActionPlan.pdf
b. Reference 2008 San Diego Foundation- Focus 2050 Study http://www.sdfoundation.org/communityimpact/environment/Initiative-focus2050.html
c. Reference 2008 USD-EPIC- San Diego County Greenhouse Gas Emission Inventory http://www.sandiego.gov/environmental-services/sustainable/pdf/ghginventory.pdf

d. Reference City of San Diego General Plan- http://www.sandiego.gov/planning/genplan/pdf/generalplan/gpexecsummarymar2008.pdf
e. Reference City of San Diego General Plan Action Plan
f. Reference City of San Diego General Plan Monitoring Report

 # # # end # # #